

ABSTRACT

Provided is a field emission display in which a gate hole having an inclined inner wall and a gate electrode around the gate hole are formed between an anode plate having a phosphor and a cathode plate having a field
5 emitter and a control device for controlling a field emission current, whereby the voltage applied to the gate electrode of the gate plate serves to prohibit an electron emission of the field emitter by the anode voltage, and prevent a local arching by forming a totally uniform potential, so that the life time of the field emission display can be improved, and the gate hole having the inclined inner
10 wall enables a fabrication of a filed emission display panel having a high brightness without an additional focusing grid.